

FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: INL-036DV

APPLICANTS: Dahlbäck

SERIAL NO.: 09/912,947

FILING DATE: July 25, 2001

GROUP: Not yet assigned

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	5,059,525	10/22/91	Bartl et al.			
	A2	5,051,357	09/24/91	Hassouna			
	A3	5,001,069	03/19/91	Bartl et al.			
	A4	5,169,786	12/08/92	Carroll et al.			
	A5	5,443,960	08/22/95	Dahlbäck			

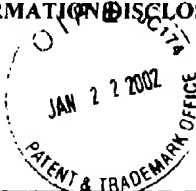
FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	434,377	1991	EP					
	B2	286,323	1988	EP					
	B3	US91/01383	1991	PCT					
	B4	US90/11368	1990	PCT					
	B5	US91/01382	1991	PCT					
	B6	US91/02812	1991	PCT					


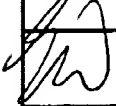
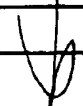
OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
	C1	Vasse et al., "Protein C: Rouen A New Hereditary Protein C Abnormality with Low Antiocoagulant But Normal Amidolytic Activities", <u>Thrombosis Research</u> , 1:56(3):387-398 (1989)							
	C2	Amer et al., "Impairment of the Protein C Anticoagulant Pathway in a Patient with Systemic Lupus Erythematosus, Anticardiolipin Antibodies and Thrombosis", <u>Thrombosis Research</u> , 57:247-258 (1990)							
	C3	Bauer, "Hypercoaguability-A New Cofactor in the Protein C Anticoagulant Pathway, <u>New England Journal of Medicine</u> , 330:566-567 (1994)							
	C4	Bertina et al., "Mutation in blood coagulation factor V associated with resistance to activated protein C" <u>Nature</u> 369:64-47 (1994)							
	C5	Chromogenix, Coatest APC Resistance Kit instructions, May 1993							
	C6	Chromogenix, Coatest APC Resistance Kit Brochure, June 1993							
	C7	Dahlbäck et al., "Resistance to activated protein C, the FV:Q ⁵⁰⁶ allele, and venous thrombosis" <u>Ann. Hematol.</u> 72:166-176 (1996)							

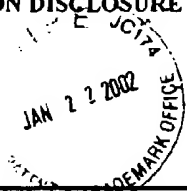
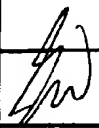
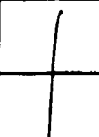


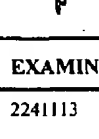


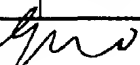
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92	C8	Dahlbäck, "New Molecular Insights into the Genetics of Thrombophilia. Resistance to Activated Protein C Caused by Arg ²⁰⁶ to Gln Mutation in Factor V as a Pathogenic Risk Factor for Venous Thrombosis" <u>Thromb. Haemost.</u> 74(1):139-148 (1995)
	C9	Dahlbäck, "Factor V gene mutation causing inherited resistance to activated protein C as a basis for venous thromboembolism" <u>J. Intern. Med.</u> 237:221-227 (1995)
	C10	Dahlbäck, et al., "Inherited resistance to activated protein C is corrected by anticoagulant cofactor activity found to be a property of factor V", <u>Proc. Natl. Acad. Sci. (USA)</u> 91:1396-1400 (1994)
	C11	Dahlbäck, B., "A New Model for Coagulation Factor V Suggesting a Unique Mechanism of Activation", <u>Scand. J. Clin. Lab. Invest.</u> , 48, Suppl.191:47-61 (1988)
	C12	Dahlbäck, B., "Factor VIII Defect Associated with . . ." <u>Thrombosis & Haemostasis</u> , 65, Abstract 39:658 (1991).
	C13	Dahlbäck, B., "Familial Thrombophilia Due to a Previously Unrecognized Mechanism Characterized by Poor Anticoagulant Response to Activated Protein C . . .", <u>Proc. Natl. Acad. Sci. USA</u> , 90:1004-1008 (1993).
	C14	DiScipio, et al., "A Comparison of Human Prothrombin, Factor IX (Christmas Factor), Factor X (Stewart Factor) and Protein S", <u>Biochem.</u> 16:698-704 (1977)
	C15	Esmon, C.T., "The Roles of Protein C and Thrombomodulin in the Regulation of Blood Coagulation", <u>J. Biol. Chem.</u> 264:4743-4746 (1989)
	C16	Esmon, C.T., "The Regulation of Natural Anticoagulant Pathways", <u>Science</u> 235:1348-1352 (1987)
	C17	Esmon, C.T., "Protein C: Biochemistry, Physiology and Clinical Implications", <u>Blood</u> , 62:1155-1158 (1983).
	C18	Faioni, E.M. et al., "Resistance to Activated Protein C in Nine Thrombophilic Families: Interference in a Protein S Functional Assay", <u>Thrombosis and Haemostasis</u> , F.K. Schattauer Verlagsgesellschaft mbH, 70(6):1067-1071 (1993).
	C19	Giddings, J.C., et al., "Chapter 12: Laboratory Support in the Diagnosis of Coagulation Disorders" <u>Clinics in Haematology</u> , 14(2):571-596 (1985)
	C20	Griffin, J. et al., "Anticoagulant Protein C Pathway Defective in Majority of Thrombophilic Patents", <u>Blood</u> , 82(7):1989-1993 (10/1/93)
	C21	Haematol, "Replacement Therapy for a Homozygous Protein C Deficiency-State Using a Concentrate of Human Protein C and S", 70(4):435-440 (Dec. 1988).
	C22	Kalafatis, M., et al., "Role of the Membrane in the Inactivation of Factor Va by Activated Protein C", <u>J. Biol. Chem.</u> 268:27246-27257 (1993)
	C23	Kane and Davie, "Blood Coagulation Factors V and VII: Structural and Functional Similarities and Their Relationship to Hemorrhagic and Thrombotic Disorders", <u>Blood</u> 71(3):539-555 (1988).
✓	C24	Katzman, "Isolation of Functional Human Coagulation Factor V by Using a Hybridoma Antibody", <u>Proc. Natl. Acad. Sci. USA</u> , 78(1):162-166 (1981)

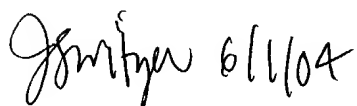
John F. 6/1/04

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	C25	Kisiel, W., "Human Plasma Protein C: Isolation, Characterization and Mechanism of Activation by Alpha Thrombin", <u>J. Clin. Invest</u> 64:761-769 (1979).
	C26	Kisiel, et al., "Anticoagulant Properties of Bovine Plasma Protein C Following Activation By Thrombin", <u>Biochem</u> 16:5824-5831 (1977)
	C27	Kisiel, et al., "Proteolytic activation of Protein C from Bovine Plasma", <u>Biochem.</u> 15:4893-4900 (1976)
	C28	Laudano, et al., "Synthetic Peptides Modeled on Fibrin Polymerization Sites", <u>Ann NY Acad. Sci.</u> 408:315-329 (1983)
	C29	Laudano and Doolittle, "Studies on Synthetic Peptides that Bind to Fibrinogen and Prevent Fibrin Polymerization. Structural Requirements, Number of Binding Sites, and Species Differences", <u>Biochemistry</u> 19:1013-1019 (1980)
	C30	Laudano and Doolittle, "Synthetic Peptide Derivatives that Bind to Fibrinogen and Prevent the Polymerization of Fibrin Monomers", <u>Proc. Natl. Acad. Sci. (USA)</u> 75:3085-3089 (1978)
	C31	Marciniak, "Coagulation Inhibitor Elicited by Thrombin", <u>Science</u> 170:452-453 (1970)
	C32	Miletich, et al., "Absence of Thrombosis in Subjects with Heterozygous Protein C Deficiency", <u>New Eng. J. Med.</u> 317:991-996 (1987)
	C33	Mitchell et al., "A Fatal Thrombotic Disorder Associated with An Acquired Inhibitor of Protein C", <u>New Eng. J. Med.</u> 317:1638-42 (1987)
	C34	Pratt, C.W., et al., "Protein C Inhibitor: Purification and Proteinase Reactivity", <u>Thrombos. Res.</u> 53:595-602 (1989)
	C35	Root-Bernstein and Westall, "Fibrinopeptide A Binds Gly-Pro-Arg-Pro", <u>Proc. Natl. Acad. Sci. (USA)</u> 81:4339-4342 (1984)
	C36	Salem, et al., "Human Coagulation Factor Va is a Cofactor for the Activation of Protein C", <u>Proc. Nat. Acad. Sci. USA</u> 80:1584-1588 (1983)
	C37	Seegers, et al., "Relationship of 'New' Vitamin K-Dependent Protein C and 'Old' Autoprothrombin II-A", <u>Thromb. Res.</u> 8:543-552 (1976)
	C38	Solymoss, et al., "Kinetics of Inactivation of Membrane-bound Factor Va by Activated Protein C. Protein S Modulates Factor Xa Protection", <u>J. Biol. Chem.</u> 263:14884-14890 (1988)
	C39	Stenflo, "Structure and Function of Protein C", <u>Semin. Thromb. Haemost.</u> 10:109-121 (1984)
	C40	Suzuki, et al., "Inactivation of Human Coagulation Factor V by Activated Protein C", 258:1914-1920 (1983)
	C41	Suzuki, "Gene Structure of Human Thrombomodulin, a Thrombin Receptor on Endothelium Acting as a Cofactor for Thrombin-Catalyzed Activation of Protein C", 51(8):1655-1664 (Dec. 1988).
	C42	Takahashi, "Fast Functional Assay of Protein C", <u>Clinica Chimica Acta</u> , 1275:217-226 (1988).
	C43	Tuddenham, E.G.D., "Thrombophilia: a new factor emerges from the mists", <u>The Lancet</u> , 342:1501-1506 (December, 1993)

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	C44	Walker and Fay, "Regulation of Blood Coagulation by the Protein C System", <u>FASEB J.</u> 6:2561-2567 (1992)
	C45	Walker, et al., "Inactivation of Factor VIII by Activated Protein C and Protein S", <u>Arch. Biochem. Biophys.</u> 252:322-328 (1987)
	C46	Walker, F., "Protein S and the Regulation of Activated Protein C", <u>Semin. Thromb. Haemost.</u> 10:131-138 (1984)
	C47	Walker, "Regulation of Bovine Activated Procein C By Protein S: The Role of the Cofactor Protein In Species Specificity", <u>Thromb. Res.</u> 22:321-327 (1981)
	C48	Walker, J., "Regulation of Activated Protein C by a New Protein", <u>Biol. Chem.</u> 255:5521-5524 (1980)
	C49	Walker, et al., "The Inhibition of Blood Coagulation by Activated Protein C Through the Selective Inactivation of Activated Factor V", <u>Biochem. Biophys. Acta</u> 571:333-342 (1979)
	C50	Zoller et al., "Linkage between inherited resistance to activated protein C and factor V gene mutation in venous thrombosis", <u>The Lancet</u> 343:1536-1538 (1994)
EXAMINER 		DATE CONSIDERED 7/7/03

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U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
gm	A6	5,874,256	02/23/99	Bertina et al.	435	69.6			
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
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